

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

ODI EVALUATION REPORT - IEPA SITE INVENTORY NO. 416782516

SANGAMON County Region C Date 7-17-80

SPRINGFIELD / BURKETT #2 Inspector L A B Time

Samples Yes No Type

Photos Yes No Weather

IEPA Status OPERATING

Location of Facility SW 1/4, SW 1/4, SECT 1 & NW 1/4, NW 1/4,
SECT 12, T. 15 N., R. 5 W.

Evaluation Done By: ✓ File Review
 On Site Visit
 Other

Dates/Times

- 1.) 29 July 1980 JAS
- 2.)
- 3.)
- 4.)
- 5.)

Comments: SITE FAILS CRITERIA FOR ① SURFACE WATER -
402. LEACHATE FLOWS INTO DRAINAGE DITCH TO EAST
THEN THRU CEMENT PIPE INTO STREAM RUNNING E WEST
TO EAST BISECTING SITE.

EPA Region 5 Records Ctr.



298806

EVALUATION

- 1.) Is open burning of solid wastes practiced at the facility? (If yes continue to 2, if no why, complies) NO
- 2.) PAST INSPECTION REPORTS REVEAL NO SUCH PRACTICE
Are residential, commercial, institutional, or industrial solid wastes open bured at the facility? (If yes, which & how documented; if no-continued to 3) NO
- 3.) Are landclearing debris, diseased trees, debris from emergency clean up operations, silvicultural and agricultural wastes, or odance burned at the facility? (If yes-which & how documented; if no-complies) NO
- 4.) Does the facility control air emissions in accordance with the State Implementation Plan approved or promulgated by the administrator pursuant to Section 110 of the Clean Air Act? (If yes-how, complies) N/A

SAFETY

- 1.) Is methane generated? (If yes-how; if no-why not, complies) YES
- 2.) SITE ACCEPTS PUTRESCIBLE WASTE
Is methane prevented from migrating beyond the property boundary and accumulating in facility structures? (If yes-how, complies; if no continue to 3) _____
- 3.) GAS VENTS INSTALLED ALONG REILLY CONSTRUCTION CO. PROPERTY
Ranking of facilities based on potential for methane hazard at the time of the inventory. (Ratings are H-M-L and denote why) M
- 4.) CHECK VENTING: GAS LEVELS IN ON-SITE BUILDINGS NONE
Do the concentrations of methane, as determined by monitoring, exceed 25% of the LEL in facility structures or the LEL at the property boundary? (If yes-what levels; if no, complies) _____
- 5.) Does the facility have the potential for fire occurrence? (If yes - continue to 6; if no-why, complies) YES
- 6.) SITE ACCEPTS COMBUSTIBLE WASTE
Does the facility comply with Section 257.3-7 of the air criterion? (If yes- continue to 7; if no continue to 7) YES

- 6.) Does the facility cause non-point source polluting of the waters of the U.S. that violates applicable legal requirements implementing an area wide or statewide water quality management plan that has been developed and approved by the administrator under Section 208 of the Clean Water Act as amended? (If yes-how; if no-why not, complies)

NO

NO LANDFILL CRITERIA

GROUND WATER

- 1.) Does ground water contain more than 10,000 TDS and is it not being used as a human drinking water source? (If yes-which, complies; if no-which, continue to 2)

NO

- 2.) GROUND WATER CONTAINS 410,000 TDS
Rank facility according to its contamination potential. (L-M-H)(Justify) L

☒ Landfill
☐ Surface Impoundment
☐ Land Spreading Facility

- 3.) ISGS - UNDISTURBED MATERIAL UNDER PIT - PERM. 10^{-9} GROUND WATER POLLUTION POTENTIAL LOW. CLAY + SHALE UNDERLIE.
Has an underground drinking water source been contaminated by the facility beyond the solid waste or alternate boundary? (If yes-how do you know; if no-why, complies)

ENDANGERED SPECIES

- 1.) Is the facility within a critical habitat or the portion of the range where endangered or threatened for an endangered or threatened species as listed pursuant to the Endangered Species Act of 1973 in 50 CFR Part 17? (If yes-continue to 2; if no-complies)

NO

- 2.) Has there been an assessment which enables the determination that the facility neither results in the destruction or adverse modification of the critical habitat of endangered or threatened species, nor causes or contributes to the taking of an endangered or threatened species of plants, fish, or wildlife? (If yes-what & how, complies; if no-continue to 3)

NO

- 3.) Does the facility result in the destruction or adverse modification of a critical habitat? (How) (If no-complies)

NO

- 2.) Is there an operating plan which demonstrated how the crop is to be distributed to preclude ingestion by humans and provides safeguards to prevent possible health hazards resulting from alternative future uses of the land? (If yes-document, continue to 3; if no-go to 5)
3. Does a notice appear in the land records notifying any future owners that the property has received solid waste at high cadmium application rates and that food chain crops should not be grown due to a possible health hazard? (If yes-where; continue to 4)
- 4.) Is the solid waste and soil mixture at pH 6.5 or greater at the time of solid waste application or at the time the crop is planted, whichever occurs later? (What is the pH; if no-continue to 5)
- 5.) Is the background soil pH greater than 6.5 or are there adequate safeguards to assure that the soil pH will be maintained at 6.5 or higher whenever food chain crops are grown? (If yes-how documented; if no-go to 7)
- 6.) Does the soil cadmium concentration exceed 5 kg/ha with a CEC of less than 5, or 10 kg/ha with a CEC of 5 to 15, or 20 kg/ha with a CEC greater than 15? (If yes-what is level; if no-go to 8)
- 7.) Has the cumulative application of cadmium exceed 5 kg/ha? (What; continue to 8)
- 8.) Is the annual application rate of cadmium in excess of 2 kg/ha? (What is rate; continue to 9)
- 9.) If waste is applied to land used for the production of tobacco, leafy vegetables, or root crops for human consumption, is the cadmium loading rate less than 0.5 kg/ha/yr? (If yes-what is crop & rate; continue to 10)
- 10.) Is the cadmium concentration in the waste less than 2 kg/ha? (What is level; continue to 11)
- 11.) Is the pH of the soil/waste mixture 6.5 or greater at the time of application? (What is pH; continue to 12)

~~Springfield~~ County - LPC 16782516
Springfield / Buerkett #2

DATE: March 1978

TIME: _____

ASH ST.

4N

